CLEAN COPY APP.# 10/624,868

WHAT IS CLAIMS

CLAIMS 1-22 (Previously DELETED)

CLAIM 23 (currently amended) A vacuum excavation method having a means of making dirt or solids vacuum able by using a compressed gas as a means of force in order to propel a volume of liquid to impact said dirt or solid with said liquid and said means of making dirt or solids vacuum able comprising the steps of : providing a container having one or more orifices and one or more valves, and further comprising the step of said container being filled with a gas, and further comprising the step of filling said container with a liquid under pressure thus further compressing said gas to a pressure substantially equivalent to that of said liquid, and further comprising the step of opening one or more of said valves in order for said gas under pressure to propel said liquid through said orifice and valve and further comprising the step of said propelled liquid being directed to impact said dirt or solids.

CLAIM 24 (currently amended) A method as described in claim 23 further comprising the step of: providing a diaphragm within said container and further comprising the step of said diaphragm being positioned between said gas and said liquid.

CLAIM 25 (currently amended) A vacuum excavation method having a means of making dirt or solids vacuum able by using a compressed gas as a means of force in order to propel a volume of liquid to impact said dirt or solid with said liquid and said means of making dirt or solids vacuum able comprising the steps of : providing a container having one or more orifices and one or more valves, and further comprising the step of said container being filled with a gas, and further comprising the step of filling said container with a liquid under pressure thus further compressing said gas to a pressure substantially equivalent to that of said liquid, and further comprising the step of abruptly opening one or more of said valves in order for said gas under pressure to propel said liquid through said orifice and valve and further comprising the step of said propelled liquid being directed to impact said dirt or solid and further comprising the step of having a first end of a vacuum conduit positioned in communication with said dirt or solid and a second end of said vacuum conduit being connected to a vacuum producing means.

CLAIM 26 (currently amended) A method as described in claim 23 further comprising the step of: positioning a dispensing conduit in communication with said valve.

CLAIM 27 (currently amended) A method as described in claim 23 further comprising the steps of: having a first end of a vacuum conduit positioned adjacent to said dirt or solid and a second end of said vacuum conduit being connected to a vacuum container and further comprising the step of said vacuum container having a vacuum producing means.

CLAIM 28 (currently amended) A method as described in claim 23 or 25 further comprising the step of: providing a process controller to sequence the opening or closing of said valves.

CLAIM 29 (currently amended) A method as described in claim 25 further comprising the step of: providing a diaphragm within said container and further comprising the step of said diaphragm being positioned between said gas and said liquid

CLAIM 30 (currently amended) A method as described in claim 23 further comprising the step of: said valve having an actuator to open or close said valve.

CLAIM 31 (currently amended) A method as described in claim 23 further comprising the step of: said liquid compartment of said container having one or more dispensing orifices.

CLAIM 32 (currently amended) A method as described in claim 23 further comprising the step of: positioning a first end of a dispensing conduit in communication with said container orifice or valve, and a second end of said dispensing conduit having one or more dispensing orifices.

CLAIM 33 (currently amended) A method as described in claim 23 further comprising the step of: positioning the first end of a dispensing conduit in communication with said container orifice or valve and the second end of said dispensing conduit in communication with said dirt or solid.

CLAIM 34 (new) A method as described in claim 23 further comprising the steps of: positioning the first end of a dispensing conduit in communication with said container orifice or valve and further comprising the step of positioning the second end of said dispensing conduit in communication with said dirt or solids, and further comprising the step of said second end of said dispensing conduit being

positioned adjacent to a first end of a vacuum conduit and further comprising the step of a second end of said vacuum conduit being connected to a vacuum producing means.

CLAIM 35 (new) A method as described in claim 23 further comprising the step of: positioning said gaseous and liquid container adjacent to said vacuum conduit and further positioning the first end of a dispensing conduit in communication with said dispensing valve and the second end of said dispensing conduit in communication with said dirt or solid, and said dispensing conduit being positioned adjacent to said vacuum conduit.

CLAIM 36 (new) A method as described in claim 23 further comprising the step of: placing within said liquid of said container a positive electrode adjacent to a negative electrode and creating an electrical spark between said electrodes by passing an electrical charge through them thus said spark dissipates a portion of it's energy into the liquid thus converting a portion of the liquid into a gaseous phase, thus further increasing the pressure of the gaseous propellant.

CLAIM 37 (new) A method as described in claim 23 further comprising the step of: passing an electrical current through said liquid in said container.

CLAIM 38 (new) A method as described in claim 23 further comprising the steps of: passing an electrical current through said liquid in said container and further comprising a process controller to sequence the interaction of said electrical current with said opening or closing of said valves.